

<u>Pay Item</u>	<u>Pay Unit</u>
304.08 Aggregate Base Course-Screened	cubic meter [Cubic Yard]
304.083 Aggregate Base Course-Screened, Truck Measure	cubic meter [Cubic Yard]
304.09 Aggregate Base Course-Crushed	cubic meter [Cubic Yard]
304.093 Aggregate Base Course-Crushed, Truck Measure	cubic meter [Cubic Yard]
304.10 Aggregate Subbase Course-Gravel	cubic meter [Cubic Yard]
304.102 Aggregate Subbase Course-Gravel, Pit Measure	cubic meter [Cubic Yard]
304.103 Aggregate Subbase Course-Gravel, Truck Measure	cubic meter [Cubic Yard]
304.104 Aggregate Subbase Course-Gravel, Plan Quantity	cubic meter [Cubic Yard]
304.11 Aggregate Subbase Course-Granular	cubic meter [Cubic Yard]
304.113 Aggregate Subbase Course-Granular, Truck Measure	cubic meter [Cubic Yard]
304.12 Aggregate Subbase Course-Sand	cubic meter [Cubic Yard]
304.123 Aggregate Subbase Course-Sand, Truck Measure	cubic meter [Cubic Yard]

SECTION 305 - PREMIXED BITUMINOUS BASE

Reserved

SECTION 306 - RECLAIMED MATERIAL FOR STABILIZED BASE

Reserved

SECTION 307 - FULL DEPTH RECYCLED PAVEMENT

307.01 Description This work shall consist of pulverizing a portion of the existing roadway structure into a homogenous mass, placing and compacting this material to the lines, grades, and dimensions shown on the plans or established by the Resident.

307.02 Pulverized Material Pulverized material shall consist of the existing bituminous pavement and, if specified, a designated portion of the underlying gravel, pulverized, and blended into a homogenous mass. Pulverized material will be processed to 100% passing a 50 mm [2 in] square mesh sieve.

307.021 New Aggregate and Additional Recycled Material New aggregate shall meet the requirements of Subsection 703.10 - Aggregate for Untreated Surface Course and Leveling Course.

Recycled material, if required, shall consist of material from the project or from off-site stockpiles that has been processed before use to 100% passing a 50 mm [2 in] square mesh sieve. Recycled material shall be conditionally accepted at the source by the Resident. It shall be free of winter sand, granular fill, construction debris, and other materials not generally considered bituminous pavement.

307.03 Pulverizer The pulverizer shall be a self-propelled machine, specifically manufactured for cold in-place recycled type work and capable of reducing the required existing materials to a size that will pass a 50 mm [2 in] square mesh sieve. The machine shall be equipped with standard automatic depth controls and must maintain a consistent cutting depth and width. The machine also shall be equipped with a gauge to show depth of material being processed.

307.04 Placement Equipment Placement of the Full Depth Reclamation recycled material to the required slope and grade shall be done with an approved highway grader or by another method approved by the Resident.

307.05 Rollers The Full Depth Reclamation recycled material shall be rolled with a vibratory pod/tamping foot roller with a minimum 1.4 m [54 in] diameter single drum. The drum shall have a minimum of 112 tamping feet, 75 mm [3 in] in height, and a minimum contact area per foot of 110 cm² [17 in²]. Final rolling shall be accomplished by a minimum 2.15 m [84 in] width single drum vibratory soil compactor.

307.06 Pulverizing The entire depth of existing pavement shall be pulverized together with approximately 25 mm [1 in] of the underlying gravel into a homogenous mass. All pulverizing shall be done with equipment that will provide a homogenous mass of pulverized material, processed in-place, which will pass a 50 mm [2 in] square mesh sieve.

307.07 Weather Limitations Full Depth Reclamation work shall not be performed when weather conditions are such that proper pulverizing, spreading, or compaction of the pulverized material cannot be accomplished.

307.08 Surface Tolerance The complete surface of the Full Depth Reclamation course shall be shaped and maintained to a tolerance, above or below the required cross sectional shape, of 10 mm

[• inch].

307.09 Full Depth Reclamation Procedure 50 mm [2 in] square mesh sieve and then shaped and compacted to the cross-slope and grade shown on the plans, typicals, or as directed by the Resident.

Extra material will be added if required by the contract or Resident to restore cross-slope and/or profile grade before pulverizing; locations will be shown on the plans or described in the construction notes. The Resident may add or delete locations while construction of the project is in progress. All extra material, whether shown on the plans or added, will meet the requirements of Subsection 307.021 - New Aggregate and Additional Recycled Material, of this Special Provision. The Contractor will use recycled pavement to the extent it is available, in lieu of untreated aggregate surface course. The Contractor shall be responsible for re-establishing the existing profile grade as directed by the Resident.

In areas where a variable gravel course is called for or required, the contractor shall pulverize, grade, and compact the existing pavement to allow for a consistent thickness of gravel.

Density of the Full Depth Reclamation material will be determined by the Department using Nuclear Density Gauges. A 90 m [300 ft] section at the start of the pulverizing operations will be designated as the control section. The control section will be pulverized, have water added until testing indicates that optimum moisture has been obtained, and rolled as directed until the nuclear density readings show an increase in dry density of less than 16 kg/m³ [1 lb/ft³] for the final 4 vibratory roller passes. This density will be used as the target density for the recycled material. The remaining Full Depth Reclamation material shall be compacted to a minimum density of 98% of the target density as determined in the control section.

307.10 Method of Measurement Full Depth Reclamation will be measured by the square meter [square yard].

307.11 Basis of Payment The accepted quantity of Full Depth Reclamation will be paid for at the contract unit price per square meter [square yard], complete in-place which price will be full compensation for furnishing all equipment and labor for pulverizing, blending, placing, grading, compacting, and for all incidentals necessary to complete the work.

The addition of materials to restore profile grade and/or cross-slope in areas shown on the plans or described in the construction notes will be paid separately under designated pay items within the contract.

Payments will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
307.32 Full Depth Recycled Pavement (Untreated Mainline Travelway)	Square Meter [Square Yard]
307.33 Full Depth Recycled Pavement (Untreated Shoulder)	Square Meter [Square Yard]

SECTION 308 - FULL DEPTH RECLAMATION WITH STABILIZING ADDITIVES

Reserved

SECTION 309 - FOAMED ASPHALT

Reserved

SECTION 310 - BITUMINOUS STABILIZED BASE

Reserved